

June 2, 2003

Mr. Thomas Baillieul, Director
U.S. Department of Energy
Columbus Closure Project
1425 Plain City-Georgesville Rd.
West Jefferson, OH 43162

Dear Mr. Baillieul:

WEEKLY HIGHLIGHTS (May 24-30, 2003)

I. Operations:

Building JN-1:

AHC, Inc., continued to remove asbestos from the work areas in the Controlled Access Area (CAA), Operations Areas, and the Old Back Dock (OBD).

Work Instruction (WI) -1189 that covers removing the Alpha-Gamma Cell (AGC) utilities and equipment was idle this week. The remaining work includes rerouting two drain lines and removal of the evaporator storage tank. The tank work will be performed under WI-1197, which is being finalized.

WI-1147 that covers removing the High Energy Cell (HEC) inner barrier glass and window liner continued this week. Myers completed grinding the welds off all the liners to allow them to be removed. Work was stopped to evaluate the "hot work" grinding after the pre-filters on the northernmost HEPA bank began smoldering due to sparks being sucked into them. The pre-filters are flame retardant, but apparently they had accumulated enough dust to sustain minor combustion. The pre-filters were changed out with clean ones, and fire screens were installed and evaluated prior to re-starting grinding operations. The Myers crew is finished unless attempts to remove the window liners reveal that some welds are not completely ground off. The table design is being modified per an engineering drawing, after bolts failed on the connecting point for the liner pull. Work was stopped to allow for this design change and will resume after the modifications are complete and approved.

WI-1129 is currently idle awaiting the window liners to be removed to access the remaining lead.

WI-1162, covering HEC vent line stabilization, is still being written. A meeting was held with a ventilation engineer to plan the rework of the ventilation. An outside vendor from RFTES is scheduled to come here next week to engineer a stabilization process for the vent lines.

Work continued on WI-1159, Utility Removal in the CAA/OBD, Old Operations Area and the Evaporator Room, and is scheduled to continue next week. WI-1159 will be revised in the near future to include ventilation ductwork removal in the Evaporator Room.

The following WIs are undergoing management review, and it is anticipated that they will be issued in June 2003:

- WI-1168, Survey and Release Old Guardhouse
WI-1169, Survey and Release North Well House
WI-1160, Decontamination/Stabilization of the CAA/OBD, Charpy Cell and Evaporator Room
- WI-1203, Evaporator Room Material Removal.

A laundry/personal protective equipment shipment for processing is scheduled for next Wednesday.

Building JN-3

Water is being continually pumped from under the JN-3 basement via the wells and pumps installed in the Pump Room and around the reactor pool.

Saxton Waste Management

The writing of work instructions continued to transfer the pin to the CAA, remove it from the liner, place it into a container, and store it until it is shipped. After transfer cask #22 was cleaned out and coated with poly-coat, it was transferred from the CAA. The water tank for performing the underwater pin removal was modified, and setup and mock-up of the pin removal from the liner were performed.

West Jefferson (WJ) External Areas:

Groundwater is being pumped from the wells on the exterior of JN-3.

TRU Waste Shipping:

A vendor was chosen to perform the remote welding of the inner canister for the 72-B cask. The procurement paperwork was started and will be ready for DOE approval on Monday.

Low Level Waste (LLW) Operations:

Ninety-one cubic feet (91 ft³) of compactible LLW were accepted for packaging. Non-compactible low-level debris from radioactive materials areas in JN-1 and JN-3 was packaged into B-25 boxes, for a total volume of 360 ft³ for Envirocare of Utah disposal.

Fourteen cubic feet (14 ft³) of mixed LLW (MLLW) lead were packaged into a B-12 box from the HEC and staged in the JN-1 "Sheep shed" <90-day Resource Conservation and Recovery Act (RCRA) accumulation area. The MLLW is destined for treatment and disposal at Envirocare.

Fifty-four cubic feet (400 gallons) of JN-3 concrete saw cutting water were radiologically free-released for disposal to the sanitary sewer.

Approximately ten cubic yards (270 ft³) of soil removed from the pipe trench in JN-3 basement were packaged into disposable bags for radiological free-release or Envirocare disposal.

Two empty intermodal containers were received from MHF for packaging LLW.

Two Type A packages of radioactive sludge samples were shipped to BWXT labs in Lynchburg, VA, for RCRA analysis.

Three B-25 boxes and two B-12 boxes of MLLW lead were shipped to Envirocare for treatment and disposal. Total volume of MLLW shipped was 365 ft³.

Technology Deployment:

Work continued on completing the operating procedures for the WIDE system.

II. Environmental Safety and Health Performance:

Safety performance is 248 days and 173,421 exposure hours without a lost time injury accident.

III. Facilities and Equipment:

Daily, weekly, and monthly inspections and maintenance for the WJ North facility alarms, instrumentation, building functions, tickler system, and grounds were completed.

The north site commercial power was interrupted at the substation to monitor the motor generators coming online. This routine test is performed twice a year.

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The sump in JN-3 had an above-normal water level. Identifying the Cuno filters as clogged with sediment and replacing them (eight filters) restored normal operation.

Buckeye Landscape mowed the grass in all of the north site areas.

A new roof has been installed over the JN-1B Pump Room.

Lou Myers assisted with another bidders' tour.

The annual inspection of all portable fire equipment and hoses has been completed by Silco Company.

The water spigot on the front of JN-1B was leaking; securing the inside valve corrected the problem.

The QA audit final review was completed; all indicated issues were resolved.

IV. Future Work Activities:

Attached is the projected work schedule for the coming weeks.

Sincerely,



for Patrick Weaver, P.E., Manager
Operations

PJW:dew/dmk

SIS/TAR
Activities within Date Range
5/28/2003 - 6/20/2003

Current Data Date May 29, 2003

Task Name	Start	Finish	% Complete	Jun				Jul				Aug				Sep			
				1/2	6/1	6/8	1/1	1/2	1/2	7/6	1/1	1/2	1/2	8/3	1/1	1/1	1/2	1/3	9/7
Priority 1	3/3/03	8/18/03	54%																
7C42-B01 Charpy Room Material Removal	3/17/03	6/13/03	81%																
WI 1149 Charpy Equipment Removal	3/17/03	6/13/03	81%																
7C42-B02: CHARPY ROOM UTILITY REMOVAL/DECON/STABILIZATION	3/17/03	6/25/03	66%																
WI 1150 Charpy Cell well decon and stabilize	6/16/03	6/16/03	0%																
WI 1151 Charpy Utility Removal	3/17/03	6/13/03	83%																
WI 1156 Remove Charpy Cell Windows	5/13/03	6/25/03	45%																
WI 1161 ASB Removal - Charpy Cell	5/27/03	6/2/03	0%																
7C45-B03 CAA Utility Removal/Decon/Stabilization	4/1/03	8/18/03	55%																
7C45-B06 Design & Install New Water Processing System	5/13/03	7/29/03	24%																
7C47-B03: OLD OPERATIONS AREA UTILITY/ASBESTOS/MAIN POWER	4/7/03	7/15/03	58%																
7I4-B29 Remediate JN-1 Dilution Sump	4/28/03	6/30/03	52%																
7I4-B48: RELOCATE WEST JEFF NORTH UTILITIES	3/3/03	8/11/03	36%																
7I4-B57: BUILD JN-4 ACCESS ROAD	3/3/03	7/3/03	72%																
NRC Visit	6/16/03	6/20/03	0%																
Priority 2	10/10/02	9/30/03	54%																
7C44-B02 HEC/Cask Washdown Room Utility Removal/Decon/Stabilize	4/21/03	7/16/03	37%																
7C47-B02: OLD OPERATIONS AREA MATERIAL REMOVAL	6/16/03	7/8/03	0%																
7C47-B07: HEC OPERATIONS AREA UTILITY REMOVAL	10/10/02	9/30/03	66%																
7C47-B15 JN-1 External Building (Office Area) Neshaps Mater	5/30/03	6/3/03	0%																
Priority 3	1/27/03	8/1/03	44%																
7E2-B08 Survey and Monitor Mat Surface in Pool	6/3/03	6/19/03	0%																
7E4-B05 Remove Underground Drains and Dry Storage Wells	5/5/03	8/1/03	30%																
7E4-B28 Remove Reactor Pool Floortop/Decon/Embedded Pipes	5/23/03	6/12/03	0%																

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Current Data Date May 29, 2003

Task Name	Start	Finish	% Complete	Jun				Jul				Aug				Sep			
				1/2	6/1	6/8	1/1	1/2	2/2	7/6	1/1	1/2	2/2	8/3	1/1	1/1	1/2	1/3	9/7
714-B66 Install Groundwater Wells/Discharge/Testing/Abandon	1/27/03	7/31/03	57%																
Priority 4	4/21/03	6/30/03	53%																
001 PU Disposition (UB)	4/21/03	6/20/03	60%																
132-B12 : Saxton TRU Waste	4/29/03	6/30/03	49%																
Priority 5	4/29/03	7/16/03	47%																
7C43-B01 N-1 Decontamination Operations - Alpha/Gamma Area Utility	4/29/03	7/16/03	48%																
513-A34 WJ S&M Inspection and Maintenance	5/8/03	6/30/03	44%																
Priority 6	4/25/03	8/1/03	38%																
132-B13 RH TRU (72B) Waste Staging & Shipment	4/25/03	8/1/03	38%																
Priority 7	3/7/03	10/10/03	38%																
132-B14 WJ North TRU Waste Staging Area	5/9/03	7/3/03	38%																
133-A36: LLW WASTE OPERATIONS	3/7/03	10/10/03	38%																
Priority 9	2/13/03	9/30/03	53%																
7C45-B05: EVAPORATOR ROOM MATERIAL REMOVAL	5/26/03	6/30/03	15%																
7C47-B07: HEC OPERATIONS AREA UTILITY REMOVAL	6/5/03	6/6/03	100%																
7E4-B28 Remove Reactor Pool Floortop/Decon/Embedded Pipes	6/9/03	6/27/03	33%																
712-B01 Survey and Monitor North Well House	3/26/03	6/6/03	89%																
714-B06 Survey and Release Old Guard House	3/31/03	6/6/03	88%																
714-B07 Deployment & Demobilization of the Wide System	2/13/03	9/30/03	42%																
133-A36: LLW WASTE OPERATIONS	4/14/03	6/27/03	66%																
Priority 11	3/3/03	6/4/04	15%																
787-B36 Laundry / Respirator Support	3/3/03	6/4/04	15%																
Training	6/19/03	6/19/03	0%																

Waste Issue Tracking

Issue: *JN-4 Plutonium Repackaging*

Project Manager: *Parsons*

Task: P-1 **Date Due:** 5/15/2003

HNF acceptance **Date Complete:** 5/15/2003

Date Identified: 4/30/2003

Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Box acceptance	4/30/2003	Eide	5/15/2003	Much waste is in boxes rather than drums (due to content's size). Standard waste boxes will be used for packaging regardless of HNF approval, and SWBs will be shipped in 72B casks.	

Task: P-2 **Date Due:** 5/12/2003

Schedule for Pu Repackaging **Date Complete:** 5/8/2003

Date Identified: 4/30/2003

Task Owner: Parsons

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Create Schedule	4/30/2003	Parsons	5/12/2003	Can start repackaging in the June/July timeframe at latest to accomplish work by Oct 1.	5/8/2003

Task: P-3 **Date Due:**
Operational Planning **Date Complete:**

Date Identified:

Task Owner: Parsons

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
	Prepare Work Instruction	Parsons		WI preparation is dependent upon the decided work location (see P-3.2).	
P-3.2	Prepare work area	Garber		The work location for repackaging is planned for prior work, and will be prepared to serve as the work area for multiple hot/airborne potential operations.	

Issue: Saxton Pin

Project Manager: Henderson

Task: S-1 **Date Due:** 6/13/2003

Obtain use of GE-2000
Cask. **Date Complete:**

Date Identified: 4/18/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Modify GE-2000 CoC	4/18/2003	Weaver	5/28/2003	GE visited on 4/29/03 to evaluate site options for modification to CoC. Upon careful review, GE has determined that a CoC is not required for this shipment. This determination has been confirmed with NRC.	
S-1.2 Obtain GE QA Manual	4/29/2003	Pomares (GE)	5/2/2003		5/2/2003
S-1.3 Place GE on ASL	4/29/2003	Welch	5/6/2003	GE QA Manual has been reviewed.	5/6/2003
S-1.4 Complete SRS paperwork	4/29/2003	Maheras	6/13/2003		
S-1.5 Register as a Cask User	4/29/2003	Eide	6/1/2003	R. Pomares will send an example registration letter.	
S-1.6 Prepare RFQ/RFP	5/12/2003	Henderson	5/15/2003	GE estimate received 5/30/03. Forwarded to Battelle Contracting.	

Task: S-2 **Date Due:** 6/5/2003

Mock up - unload pin **Date Complete:** 5/30/2003

Date Identified: 4/18/2003

Task Owner: Henderson

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
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S-2.1	Fabricate Mock-up Liner	4/18/2003	Garber	4/22/2003	Liner has been received.	4/28/2003
S-2.2	Plan for mock-up of pin removal	4/18/2003	Henderson	4/30/2003	Documentation for a series of WIs to accomplish this is being prepared.	5/8/2003
S-2.3	Perform Mock-up	4/18/2003	Henderson	6/5/2003		5/30/2003

Task: S-3 **Date Due:** 4/21/2003

Schedule for pin effort **Date Complete:** 4/28/2003

Date Identified: 4/18/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Provide schedule to DOE	4/18/2003	Weaver	4/21/2003	A draft schedule was submitted to DOE.	

Task: S-4 **Date Due:** 5/6/2003

DOE Executive Decisions **Date Complete:** 5/20/2003

Date Identified: 4/30/2003

Task Owner: DOE

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
S-4.1 DOE conference call (NEPA)	4/30/2003	DOE		DOE has decided to ship under CX.	
S-4.2 Notify SRS to receive pin	4/29/2003	Weaver	5/6/2003	DOE-OH sent DOE- SRS request for support.	5/13/2003

Task: S-5 **Date Due:**

Transportation Plan **Date Complete:**

Date Identified: 5/13/2003

Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
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Security	5/1	5/23/2003	Shipment of pin not HRC, but any increased security needs must be identified.
Prepare	5/1		Oak Ridge plan example. Transmitted

Issue: *TRU Shipment to Hanford*

Project Manager: *Garber*

Task: TH-1 **Date Due:** 5/16/2003

Lift Shipment Prohibition **Date Complete:**

Date Identified: 4/18/2003

Task Owner: DOE-RL

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Argue in Federal Court	4/18/2003	DOE-RL	5/2/2003	Judge has decided to maintain injunction. The only current option to ship to Hanford is for DOE to appeal this ruling.	5/9/2003

Task: TH-2 **Date Due:** 5/16/2003

14-day Shipping Notice **Date Complete:**

Date Identified: 5/5/2003

Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Initiate shipping notice paperwork	5/16/2003	Eide	9/30/2003	The Judge has upheld the injunction (See item TH-1.1). We are unlikely to ship any TRU to HNF prior to 9/30/03.	

Issue: TRU Storage On Site

Project Manager: Rohrig

Task: TO-1 **Date Due:** 6/6/2003

Define options **Date Complete:**

Date Identified: 4/18/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
	Determine Path Forward	4/18/2003	Weaver	5/22/2003	Onsite Storage is our only current option. A number of potential staging sites have been identified.
TO-1.2	Discuss options with Security/Facilities	5/12/2003	Weaver	5/22/2003	Staging location options must meet approval of both Battelle Security and Facilities. Currently investigating potential sites.
TO-1.3	NRC schedule impact by option	5/22/2003	Friedman	5/28/2003	Schedule conference call with NRC to discuss.
TO-1.4	Staging Site Decision	5/30/2003	Weaver	6/6/2003	Need to make decision before proceeding with licensing and design.

Task: TO-2 **Date Due:** 6/6/2003

Storage facility design **Date Complete:**

Date Identified: 4/28/2003

Task Owner: Weaver

Subtask		Date Identified	Subtask Owner	Date Due	Status	Date Completed
TO-2.1	Define design inputs	4/28/2003	Weaver	6/6/2003	All inputs received with the exception of soil conditions (dependent upon choice of location).	
TO-2.2	Complete design	4/28/2003	Weaver	6/6/2003	Complete design based on item TO-2.1 and NRC Information Notices.	

TO-2.3	Unify interpretations	4/30/2003	Friedman	5/6/2003	Conference call with NRC, DOE, and BCLDP to define path forward and interpretations.	5/6/2003
TO-2.4	Cost Estimate	4/28/2003	Weaver	5/16/2003		5/16/2003

Task: TO-3 **Date Due:** 5/23/2003

Assure coverage under NEPA **Date Complete:** 5/15/2003

Date Identified: 5/6/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Review BCLDP EA	5/6/2003	Swartz	5/23/2003	Review of the 2001 Updated EA determined that onsite temporary storage of TRU is covered with respect to NEPA. Awaiting a formal memo attesting to this from Battelle NEPA expert.	

Task: TO-4 **Date Due:** 5/22/2003

Purchase Shielding units **Date Complete:** 5/27/2003

Date Identified: 5/14/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Submit P.O.s	5/14/2003	Weaver	5/16/2003	Submit to multiple vendors (Dufrane and Duratek). P.O.s Should be flexible enough to allow multiple configurations.	
TO-4.2 Determine appropriate configuration	5/14/2003	Weaver	5/22/2003	5 pc. or 2 pc. Configuration of storage units will be dependent on onsite storage location.	5/22/2003

Task: TO-5 **Date Due:** 6/1/2003

NRC Approval **Date Complete:**

Date Identified: 5/6/2003

Task Owner: Allen

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Submit storage plan to NRC	5/6/2003	Allen	6/1/2003	Preparation of plan somewhat dependent upon chosen storage location. Draft Path Forward document circulating for review and comment.	

Task: TO-6 **Date Due:** 8/1/2003

72-B Casks **Date Complete:**

Date Identified: 5/12/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Cask Demonstrations		Garber	8/1/2003	Must be completed prior to loading waste into 72-B Casks.	
TO-6.2 Obtain 2 72-B Casks from WIPP		Eide	5/22/2003	Make formal request during Small Quantity Site conference call.	5/5/2003

Issue: TRU Shipment to WCS

Project Manager: Erickson

Task: TW-1 **Date Due:**
Amend ROD **Date Complete:**
Date Identified: 4/18/2003
Task Owner: DOE-CAO

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Update small quantity site's TRU data to allow ROD update	4/18/2003	DOE-CAO		Amend TRU Programmatic EIS ROD to include interim storage at WCS.	
TW-1.2	DOE OFO contact WIPP	5/14/2003	DOE OFO		
TW-1.3	BMI Offer Assistance	5/14/2003	Eide	5/23/2003 Battelle to offer assistance in amending ROD to Ines Triay. Also Discuss WCS option with Vernon Dobb.	5/22/2003